

Initiation Processes in Liquid Explosives, by J.
Zipporin, 19 pp.

GERMANY, per, Chimia (Switzerland), Vol XIII,
Feb 1959, pp 55-63.

AEC AMRE/Trans/12

Sci - Chem
Jul 61

157, 430

Reaction Chemistry of Synthetic
Polymers in the Solid State, by
G. V. Mal'kin, R. E. Rabinovitch.
CHIMIA, par, Chimia (Angew.) Vol XIII,
1979, pp 309-314.
TRAN IT 8-10, 1982

U. S. GOVERNMENT USE ONLY
Dist. Class
Pub. 66

Millett, Mario.
MEANS DIMINISHING TOXICITY OF TOBACCO
SMOKE AND TECHNIQUE OF USING THEM. [1962]
24p.

Order from K-H 500.00

K-H 9929 b

Trans. of Chimica [Milan] (Italy) 1959, v. 35, no. 5,
p. 333-340.

DESCRIPTORS: *Tobacco, *Smokes, Cigarettes, *Tox-
icity, Countermeasures.

(Biological Sciences--Toxicology, TT, v. 9, no. 4)

62-2337

I. Millett, M.
II. K-H 9929 b
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Examination of Synthetic Resin Finishes
for Cotton and Nylon, by J. Weibel.

RESEARCH, part, Chemie, Vol XIV, 1960,
pp 46-50.

CSIRO

Sci - Chem
Jun 62

203,351

Radiation Chemistry of Synthetic
Polymers in the Solid State, by
G. F. D'Alelio, R. Haberli.
GERMAN, per, Chimia (Aarau), Vol XIII,
1959, pp 306-314.
NASA TT F-10,192

U. S. GOVERNMENT USE ONLY

Sci-Chem

Jul 66

306,323

Use of Radio-Active Isotopes for the Study of
Reaction Mechanisms in Organic Chemistry, by
Schmid.

GILMAN, per, Chimia, Vol 14, 1960, pp 248-261.

PD110252b7

AIC NP-tr-1451

Sci/Univ Library

Mar 67

318.560

Lanthionine, the First Amino Acid Isolated
from Wool, by A. Vassiliadis.
FRENCH, per. Chim Chim Vol XXVIA, 1962,
pp 5-11.
INDW NHH No 3-23-66

Sci - Chem
May 66

301,329

Chemistry of Silicones, by H. Stann.

GERMAN, per, Chimia, No 16, 1962, pp 6-221 221-226

GEY 32, No 1655

Scl -

Jul 67

335,005

Organofunctional Silicones, by G. Rossmay.
SWEDISH, per, Chimia, Vol XVI, 1962,
pp 226-231.
TC-168

Apr 67

323,034

The Importance of Emission Spectrography
in Criminal Investigation, by E. Martin.
GERMAN, JOUR. CHINA, Vol 17, 1963, pp 262-265.
MLL Ref: J828.47 (7164)

Sci-Chem
Jan 69

373,632

Isomerism of Disulphur Difluorides, by F. Seal,
R. Bickman.
GERMAN. Jour. Chem., Vol 17, 1963, pp 355-356.
NLL Ref: 9022.09 (4575)

Sci.-Chem
Aug 68

362,041

Applications of Matrix Calculus in Chemical
Thermodynamics, by B. Milicevic.
FRENCH, per, Chimia. Vol 17, 1963, pp 369-378.
NTC-71-12553-07D

Number TTF 10, 343 pp 368-402

Nov 71

The Radiolysis of Liquid Hexane,
by T. Gernann.
GERMANY, per, Chemie, Vol 13, No 11,
pp 343-348, 1964 9229804
AUC NP-TT-1257

NP L 1248 pp 345-374

Sci. Phys.
2401 (6)

291,645

Colorimetric determination of traces of Se in Steel,
determination of small quantities of se in the absence
of other elements. by N. Leontovitch.

FRENCH, per, Chim. analyt. No 41, 1959, pp 56-62
CRL/T. 2098

Sci -
Sep 67

340,311

Determination of Water in polyacide ships.
by Ya. Zagrebina, A. Gornask.
Zhurnal. prikl. Khim. Analitichesk., Vol 10, No 3,
1965, pp 491-493.
UDC 5025.40 (5924)

Sci-chem
Jul 68

361.610

Apprendo 1912 and the Author, by M. ...

... per, Chimica Della Postura ...
Milan, Unico 1916, pp 410-412.

Dept of Interior
US Dep of Mines
Central Experiment Station
Pittsburgh, Pa. Tr 117

... - ...

May 55

87, 526

Millett, Mario.
ON THE MEANS CAPABLE OF DIMINISHING THE
TOXICITY OF TOBACCO SMOKE AND ON THE
TECHNIQUE OF USING THEM, NOTE II. [1962] 24p
Hirela

Order from SLA \$2.00

TT-64-14462

Trans. of Chimica (nell'Industria nell'Agricoltura,
nella Biologia, nelle Realizzazioni Autarchiche e Corpo-
rative) (Italy) 1959, v. 35, no. 5, p. 333-340.
Another trans. is available from K-H \$30.00 as
K-H-9929-b [1962] 24p.

DESCRIPTORS: *Tobacco, *Cigarettes, Smoke,
Toxicity, Inhibition, Filters (Fluid), Effectiveness,
Test equipment.

(Biologia in Chimica-Medical Speculations, TT, v. 11,
no. 10)

TT-64-14462

1. Title: Smoke filters
1. Millett, M.

Millett, Mario.

ON DEVICES CAPABLE OF DIMINISHING THE TOXICITY OF TOBACCO SMOKE AND ON THE TECHNIQUE OF THEIR EMPLOY. NOTE III. EXAMPLES OF DETERMINING THE SUBSTANCES CONTAINED IN TOBACCO SMOKE BY MEANS OF PAPER CHROMATOGRAPHIC ANALYSES. [1962] [16p] 14refs
Order from SLA \$1.60

TT-64-14463

Trans. di Chimica [nell'Industria nell'Agricoltura, nella Biologia, nelle Realizzazioni Autarchiche e Corporative] (Italy) 1959, v. 35, no. 10, p. 589-594.
Another trans. is available from K-H \$18.75 as K-H-9929-c [1962] 11p.

(Chemistry... And ytical. TT, v. 11, no. 11)

TT-64-14463

I. Millett, M.
II. Title: Examples

Office of Technical Services

Millett, Mario.
CONCERNING DEVICES CAPABLE OF DIMINISHING
THE TOXICITY OF TOBACCO SMOKE AND ON THE
TECHNIQUE OF THEIR USE. [1962] 12p.
Order from K-H \$15.00 K-H 11322

Trans. of Chimica Italia (Italy) 1960, v. 34, no. 1,
p. 306-309.

DESCRIPTORS: Tobacco, Smokes, Toxicity,
Inhibition, Nicotine.

(Biological Sciences--Pathology. TT, v. 8, no. 9)

62-17526

- I. Millett, M.
- II. K-H-11322
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Miletti, M(ario) and Lamieri, M(assimo).
PRODUCTS CAPABLE OF DECREASING THE TOXIC-
ITY OF TOBACCO SMOKE, AND THE TECHNIQUE
FOR THEIR USE. IV. CONTROL OF THE PROTEC-
TIVE EFFECT AND ABSORPTION CAPACITY OF
SOME COMPOUNDS IN COMMERCIAL USE. [1961]
23p. (2 formores omitted) 10 refs.
Order from SLA \$11.60

61-16088

Trans. of Chimica (Italy) 1960, v. 36, no. 3,
p. 124-138.

DESCRIPTORS: *Toxicity, *Tobacco, Smoke, Ciga-
rettes, *Absorption, Chemical analysis, Inhibition,
Nicotine.

The commercial products were investigated in order
to determine and to verify their protective efficiency
(EP) and their absorbing power (PA). The chemical con-
(Chemistry--Analytical, TT, v. 9, no. 7) (over)

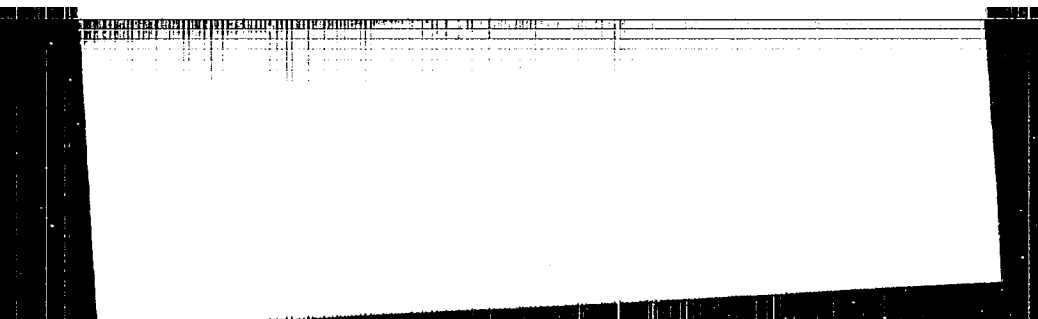
61-16088

I. Miletti, M.
II. Lamieri, M.
III. Title: Control ...

Office of Technical Services

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CIA-RDP84-00581R000401160026-8



APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000401160026-8

Nitryl Fluoride - Pentahydrogen Fluoride,
by F. Seel, H. Semmler.
GERMAN, per, Chimia, Vol 16, No 9, 1962,
pp 290-291.
NTC 69-12464-07B

Sci.-Chem
Aug 69

388,519

Schildknecht, H.
ZONE MELTING AND COLUMN CRYSTALLIZATION,
NEW PROCESSES FOR SEPARATING AND PURIFYING
CRYSTALLIZING SUBSTANCES. (1963) 33p 22reals
Order from IILA \$3.00

TT-64-14722

Trans. of Chimia (Switzerland) 1963, v. 17, p. 145-157.

(Engineering-Chemical, TT, v. 11, no. 11)

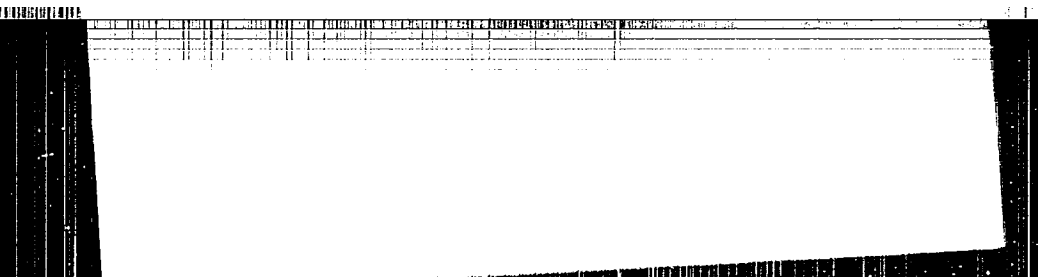
TT-64-14722

I. Schildknecht, H.

Office of Technical Services

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APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000401160026-8

Analysis of Cobalt and Nickel in Zinc Ores and Zinc
Electrolytes, by G. Bonacini, 5 pp.

ITALIAN, excerpts, in Chimica e L'Industria, Vol XVII,
Sep 1935, pp 592-594.

S.L.A. Tr 521/56

Sci - Minerals/Metals, Chemistry 37,126

Aug 1956

In the Field of Explosives. Recent Additions, by
F. Cristanmilli, 9 pp.

ITALIAN, pub, La Chimica e l'Industria,
Vol XVIII, No 5, 1935, pp 232-233.

S.L.A.

Scientific - Chemistry
CIB 70/Jul. 55

25,187

Origin: Plant of the "S. A. Industrie Chimiche
Dr. Basili", pp 3 pp.

ITALIAN, per, La Chimica e l'Industria, Vol
XVIII, No 8, Aug 1956, pp 356-357.

S. L. A. Tr 641/56

Sci - Chemistry
Aug 56 CHB/dex

38,306

The Preparation of Artificial Cryolite From Fluorine
Oxide in the Superphosphate Industry, ~~1937-1938~~
1 pp.

ITALIAN, per, La chimica di industria, Vol XVIII,
Sept 1938, p 465.

Sell - Chem
Apr 1957

SIA Tr 167 Jan 1957

46,199

The Hauser Process for the Production of Ammonium Nitrate, by G. Pastonesi, 4 pp.

ITALIAN, paper, La Chimica e l'Industria, Vol XX XVIII, Oct 1936, pp 511-513.

S. L. A. Tr 646/36

Sci + Chemistry
Aug 36 CHM/lex

38,304

Pastorelli, Giuseppe.
EFFECT OF DILUTING GASES IN SYNTHESIS AT
ELEVATED PRESSURES. (1963) Rp (figs omitted)
11 refs

Order from SLA \$1.10

TT-63-20163

Trans. of la Chimica e l'Industria (Italy) 1937, v. 19,
no. 3, p. 123-125.

DESCRIPTORS: *Ammonia, Synthesis (Chemistry)
Gases, *Nitrogen, *Hydrogen, *Argon, Density,
Chemical equilibrium, High pressure research.

(Chemistry--Physical, TT, v. 11, no. 6)

TT-63-20163

1. Pastorelli, G.

Office of Technical Services

Electrolysis of Alkaline Chlorides; Effect of
Magnesium and Calcium Salts, by Giuseppe Bonfiglio,
Arrigo Linari, 9 pp.

ITALIAN, per, Chimica e l'Industria, Vol XIX,
No 5, 1937, pp 252-254.

El.L.A. Tr No 365/1955

Sci - Chemistry
Jan 1957 CTB/dex

44,996

- The Recovery of Sulphur From Combustion Gases, by
I. N. Secchi, 9 pp.

ITALIAN, per, la Chimica e l'Industria, Vol ~~XX~~, XIX
Oct 1937, pp 574-578.

S.L.A. Tr 1174/1956

40, 078

Int. - Italy
Economic
Sci. - Chemistry
Oct 56 (1956)

The Contact Process for the Production of
Sulfuric Acid, by E. Cornello, 7 pp.

ITALIAN, per, La Chimica e l'Industria,
Vol. XX, Jan 1938, pp 8-12.

S.L.A. Tr 439/1956

Sci - Chemistry

35,557

Jun 1956

New Developments in the Preparation of Sulphuric
Acid Catalysts, 3 pp.

ITALIAN, per, La Chimica e L'Industria, Vol XX, No 2,
1936, p 61.

S.I.A. Tr 20346

Sci - Chemistry

36,989

Aug 1936

Perret, Hugo.
ON THE CORROSION OF POTS THROUGH THE
MELTING OF CAUSTIC SODA. [1963] [14]p. 4 refs.
Order from SLA \$11.60 63-14249

Trans. of la Chimica e l'Industria (Italy) 1938, v. 20,
no. 3, p. 133-134.

DESCRIPTORS: *Corrosion, *Sodium compounds,
*Hydroxides, Melting, Cast iron, *Containers, Hydro-
gen, Chlorates, Oxidation, Chemical industry,
Industrial equipment.

The diverse factors that are able to influence the
corrosion of cast iron pots used for the melting of
caustic soda, and particularly the defects of the metal,
the action of the heat, and the chemical action, are
studied.

(Metallurgy--Corrosion, TT, v. 10, no. 5)

63-14249

1. Perret, H.

Office of Technical Services

Electrolytic Production of Ammonium Nitrate, 2 pp.

ITALIAN, per, L. Industria e Commercio, Nov 1938
p 137.

A. L. A. Tr 578/56

38,355

Sci - Chemistry

Aug 36 CIA/Gen

Thermal Balance in the Synthesis of Urea, by
Giuseppe Fantuzzi, Osvaldo Gendelari, 5 pp.

ITALIAN, per, La Chimica e L'Industria, Vol XXI,
No 2, Feb 1939, p 63.

S.I.A. Tr 1136/1936

Sci - Chemistry
Oct 36 CHS

40,062

Cathode Phenomena in the Electrolysis of Aqueous
Solutions of Salts or Alkaline Hydroxides, by
Roberto Fieschi, Alessandro Giulotto, 15 pp.

ITALIAN, per, Chimica e l'Industria, Aug 1939,
p 478.

S. L. A. Tr 652/56

Sci - Chemistry
Aug 56 CTB/Gen

38,300

Recent Progress in the Production of Ammonium
Nitrate, by Dino Naveri, 10 pp.

ITALIAN, per, L'Chimica e l'Industria, Oct 1939,
p 572.

S.L.A. 1145/1956

Sci - Chemistry
Oct 56 OTB

44, 153

Oliville, The Prototype of a New Class of Natural
Resinous (Biconifery) Products, by B. L. Vanzetti,
3 pp.

Full translation.

ITALIAN, per, Chim e Indust, Vol XXII, No 9, 1940,
pp 420-421.

NIE

Wbur - Italy

Scientific - Chemistry

JAN 53 CTS

4040

~~3870~~

The Hydrogenation of Furfural and its Derivatives, by
G. H. Williams.

ITALIAN, Ind. Chim. e Ind., Vol XXIII, 1961, pp 117-123.

INSDOC T 1748

Sci
Apr '69

84,455

O,O'-dimethyl-Dithiophosphoric Acid Esters, by Livio
Cambri, 16 pp.

ITALIAN, per, La Chimica e l'Industria, Vol XXVI,
Jul-Aug 1964, pp 97-101.

CIA/TDD XI-457

NOT RELEASABLE TO FOREIGN NATIONALS

Sci. + Chem
May 58

SLA TR 64-20525

FOR INTERNAL USE ONLY

154,074

New Derivatives of 4,4'-Diaminodiphenyl Sulfone,
by Enrico CioCCA, Luigi Canonica, 9 pp.

ITALIAN, Rev. Chimica e Industria, Vol XXVI,
1946, pp 167-170.

S.L.A.

Scientific - Chemistry

23,694 CTS 68/May 55

Nickel, Cobalt and Iron Salts of Acids Containing
the $\text{M}(\text{S})\text{EH}$ Radical, by L. Malatesta, R. Pizzotti,

ITALIAN, per, Chim et Industrie, Vol XXVII, No 1-2,
1945, pp 6-10.

ATB 533-IJ

Sci - Chem

Aug 60

123,908

The Liquid-Vapor Equilibrium in the Water-
Propargylic Alcohol and Benzene-Propargylic
Alcohol Systems, by Massimo Simonetta, Elso
Mugnaini, 25pp
ITALIAN, per, la Chimica e l'Industria, Vol 30,
1948, No 3, pp 73-78
SLA TT-64-20547

Sci - Chem
June 67

329,412

Natural and Synthetic Curares, by D. Bovet.

ITALIAN, per, La Chimica e l'Industria, Vol XXXI,
May 1949, p 147.

AKC Tr 561

MB T.9.I.

10,497

Scientific - Medicine

Aug 1951 CTB

Elimination of the Odors From a ~~HS~~ Sulphate Cellulose
Factory, by G. Bozza, P. Colombo

ITALIAN, ~~IND~~, Chimica e Industria, Vol XXI, 1949,
pp 233-241.

Nat'l Res Council Canada TT 220

Scientific - Chemistry
Jul 1950/1951

Price 0.25

16,464

62-22807

THERMAL DIFFERENTIAL ANALYSIS APPLIED TO THE DETERMINATION OF TEMPERATURE CHARACTERISTICS AND TO THE APPROXIMATE EVALUATION OF THE THERMAL TONALITY OF COMPLEX CHEMICAL PROCESSES. [1962] 17p.
Order from K-H \$21.25

K-H 6190-a

Trattato di Chimica e Industria (Italy) 1951, v. 33, no. 2, p. 71-76.

DESCRIPTORS: *Calorimetry, Physical properties, Temperature coefficient of reactivity, *Chemical reactions.

(Chemistry--Physical, TT, v. 8, no. 12)

I. K-H-6196-a
II. Kreege-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Differential Thermal Analysis Applied to the
Determination of the Characteristic Temperatures
used to the Approximate Evaluation of the Thermal
Stabilities in Complex Chemical Processes. I. Thermal
Decomposition of Starch and of Cellulose, by Domenico
Costa, ~~Il~~ Giacomo Costa

ITALIAN, ~~per~~ La Chimica da l'Industria, Vol XXXII,
1951, pp 71-76.

SLA 57-3395
S.L.A. Tr Pool

Nonclassified - Chemistry
(C) (S) / (C) (S) / (C) (S)

14,313

Separation of the Optic Antipodes of
Camphosulfonic Acid by Means of
Chromatography on Specific
Adsorbents, by R. Curti, et al.
ITALIAN, per, Chimica e-1, Industria,
No 33, 1951, pp 103.
WHI 19-39-64

Sed-1541
Jul 65

286,152

The Recent Developments in the Synthetic Ammonia
Industry, by O. Fausser, 2 pp.

(Section on Electrolytic Hydrogen)

ITALIAN, par, La Chimica e l'Industria, Vol CCCXXXII,
1951, p 193.

1102
S.L.A. Tr 8046/1956
1104

Sci - Chemistry
XJHIX
Oct 56 CIBS

46, 0 2 2

62-17336

Natta, Giulio.
HIGH-PRESSURE SYNTHESIS OF OXYGENATED
ORGANIC COMPOUNDS WITH CARBON MONOXIDE.
May 62, 9600 words, 41 refs.
Order from CTS(Chem) \$19.20 CTS(Chem)-271
subsequent copies \$3.20/ea.

Trans. of [la] Chimica e [l] Industria (Italy) 1951,
v. 33, no. 5, p. 272-282.

DESCRIPTORS: *Organic compounds, Synthesis,
Pressure, *Carbon compounds, *Monoxides,
Reagents.

(Chemistry--Organic, TY, v. 8, no. 2)

- I. Natta, G
- II. CTS(Chem)-271
- III. Chemical Translating
Service, Palo Alto, Calif.

Office of Technical Services

Production of Vinyl Chloride on Industrial
Scale, by J. C. Vlughter, J. J. Leendertse,
R. H. Motivier-Meyer, 15 pp.

ITALIAN, per, Chimica e l'Industria, Vol XXXIII,
No 10, 1951, pp 613-619.

SLA 60-18059

441
Vol IV, No 9
Mar 61

187,134

Study of the Reaction of Gypsum During the Set
of Portland Cement, by Renato Bucci, 24 pp.

ITALIAN, per la Chimica et l'Industria, Vol XXXIII,
no 11, nov 1951, pp 655-658.

S.L.A. 75

32,757

W.D. - Italy
Scientific - Engineering

The Application of Differential Thermal Analysis to the Determination of Characteristic Temperatures and to the Approximate Evaluation of the Thermal Effects in Complex Chemical Processes. II. The Thermal Decomposition of Bone Sugars, by M. Costa, G. Costa.

C
FELLIAN, per, La Chimica e l'Industria, Vol
XXIII, 1951, pp 708-711.

Dept of Int
US Bur of Mines
Br of Bituminous Coal Res
Washington, No 106

84,615

Sel - Chem
Apr '59

Randaccio, Carlo, Pedinelli, Mario, and Bovelacci,
Frasco.

THE ACTION OF CHLORO AND BROMO HYDRO-
CARBON DERIVATIVES TO ELIMINATE LEAD
OXIDES IN ENGINES USING TETRAETHYL LEAD
GASOLINES (Sul Comportamento dei Cloro- e Bromo-
derivati di Idrocarburi nella Eliminazione degli Ossidi
di Piombo in Motori Alimentati da Benzine Contenenti
Piomboeterale). [1961] 23p (igs omitted) 7 refs
Order from S.L.A. \$2.00

TT-64-10440

Trans. of la Chimica e l'Industria (Italy) 1951,
v. 38, no. 12, p. 782-789.

Chemicals--Fuels, TT, v. 11, no. 12

TT-64-10440

- I. Randaccio, C.
- II. Pedinelli, M.
- III. Bovelacci, F.

Office of Technical Services

Speroni, G., Jovine, L., and Perini, M.
BINARY SYSTEMS OF THE ISOMERS OF HEXA-
CHLOROCYCLOHEXANE AND THE POSSIBILITY OF
CRYOSCOPIC DETERMINATION OF THE GAMMA
ISOMER. Presented at the National Congress of
Chemistry (no. 6) Congress of Industrial Chemistry
(no. 23) Milan, 17-23 Sep 50. [1953] 10p (3 figs
omitted) Microfiche
Order from SLA \$1.10

TT-63-18915

Trans. of [illegible] Chimica e [illegible] (Italy) 1952, v. 34,
p. 4-6. (Abstract available)

DESCRIPTORS: *Hexachlorocyclohexanes, *Insecticides,
Molecular isomerism,

The six binary systems between the α , β , γ , and δ
isomers of hexachlorocyclohexane have been studied.
The α - γ , α - δ , and γ - δ systems present a
eutectic with a depression of 20-30° with respect to the
(Chemistry--Organic, TT, v. 11, no. 4) (over)

TT-63-18955

- I. Speroni, G.
- II. Jovine, L.
- III. Perini, M.
- IV. Title: National ...
- V. Title: Congress ...

Office of Technical Services

Colorimetric Determination of Traces of Boron
in Heavy Water, by G. Fizzotti, L. Selmi

~~Abstract~~, per, in Chimica & L'Industria, Vol XXXIV,
No 5, 1952, pp 265-266.

ADC Tr 1690

Scientific - Chemistry
CNS/DEX

5721

The Chemistry of Polyhalogenated Cyclopentadiene and Related Compounds VII. The Laboratory Preparation of Hexachloro- and Pentachlorocyclopentadiene¹, by Randolph Eicmschneider, 7 pp.

Full translation.

ITALIAN

~~document~~, per, la Chimica e l'Industria (Milan),
Vol XXXIV, 1952, pp 266-268.

S.L.A.

Scientific - Chemistry

27,179

Aug 55

The Use of Synergists in the War against
Houseflies Immune to Contact Insecticides,
by G. Speroni.

ITALIAN, per, Chimica e Industria, Vol XXXIV,
1952, pp 391-403.

CSIRO-3213

B-1
Aug 54

70,845

Synthesis of Anilides From Olefins, Carbon
Monoxide and Aniline, by P. Pino,
R. Magri, 20 pp,

ITALIAN, per, La Chimica e L'Industria, Vol XXIV,
No 9, 1952, pp 511-517.

CIA/TM/X-1561

Scientific - Chemistry

Feb 55 OTS

21370

Musa, G., Lupo, Rodighiero, Giovanni, and
Caporale, Giuseppe.
PHOTODYNAMIC ACTIVITY OF NATURAL COU-
MARINS. [1962] Sp. 7 refs.
Order from SLA 41. 16

62-14941

Trans. of la Chimica e l'Industria (Italy) 1953,
v. 35 [no. 4] p. 13-15.

DESCRIPTORS: Drugs, *Photosensitivity, *Skin,
Pigments, Plants, Inflammation, *Coumarin deriva-
tives, Scitism, *Ultraviolet radiation.

Natural coumarins possess photodynamic properties
with certain concomitant pathologic aspects. Experi-
menting with a series of natural coumarins, the
Authors succeeded in establishing that these proper-
ties are primarily due to three furcoumarins: pro-
terone, xanthoxan and bergapten. Among these
substances, proterone is the most active one. (Author)
(Biological Sciences--Pharmacology, TT, v. 8, no. 11)

62-14941

I. Musa, G.
II. Rodighiero, G.
III. Caporale, G.

Office of Technical Services

Summary of the Recherche-Jointe 1964-1965 of 1964
With the United States Performed on Contraband
Towers, by H. Bruchizarte, UNCLASSIFIED

RESEARCH, 1964, China. e. Industr., Vol XXIV, No 3,
1964, pp 142-143.

TRAC/116
T 1420 4260

Scientific - Chemistry

15, 383

The Action of Fluorine on Anodic Processes in
Electrolysis Through Zinc, by Livio Cambi, Eugenio
Bertoncello. 18 pp.

ITALIAN, per, La. Chimica e L'Industria, Vol XXIV,
No 6, 1953, pp 397-402.

WIE

14,599

Scientific - Chemistry

June 54 CTS

Natta, G. and Pino, P.
A COMPARISON OF THE SYNTHESIS OF ESTERS
FROM ACETYLENE AND ETHYLENE BY REACTION
WITH CARBON MONOXIDE AND ALCOHOLS. Paper
presented at the Congress of Industrial Chemistry
(no. 23) Pavia, Nov 51. [1962] [12]p. 8 refs.
Order from I.C.A. \$1.40

62-20049

Trans. of [16] Chimica e [1]Industrial (Italy) 1952,
v. 34, p. 447-452.

DESCRIPTIONS: *Esters, Synthesis (Chemistry),
*Acetylenes, Alcohols, Methanol, Carbon compounds,
Monoxides, Ethylenes, *Acrylic acid esters, *Fatty
acid esters, Ketones

In continuation of their studies of the reaction between
acetylene, carbon monoxide, and alcohols the authors
compare the synthesis of esters and diesters from
acetylene with the analogous synthesis of esters from
(Chemistry)--(Organic), TT, v. 9, no. 12 (over)

62-20049

I. Natta, G.
II. Pino, P.
III. Title: Congress...

Office of Technical Services

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9 pp.

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SLA 57-1699

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The Chlorination of Aliphatic Hydrocarbons
with Elementary Chlorine, by Carlo
Longino, Jr.
TRANSL. from the Russian of L. I. Zaitseva,
Vol 36, No 9, 1974, pp 893-898.
MLA 71-65-10879

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Some Applications of Infra-Red Spectrometry
to the Qualitative Analysis of Plastic
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Kinetics of Oxosynthesis, II., by G. Ratta,
R. Brucoli, S. Castellano, 41 pp.

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[1962] 11pp.
Order from K-H: \$18.75 K-H 3596-a

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v. 37 [pt. 2] p. 109-112.

DISCRIPTORS: Nicotine, Determination, Colori-
metric analysis.

(Chemistry--Analytical, TT, v. 8, no. 10)

62-22585

- I. Morani, V.
- II. Giovannini, E.
- III. K-H-3596-a
- IV. Kresge-Hooker Science
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Detroit, Mich.

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Paper Chromatography on a Rotating Disc,
by G. Garonna, 4 pp.

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Vol XLVII, No 2, 1955, pp 113-114.

ADB-86371

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Theoretical Criteria for Comparing the Activity of
Initiators and Mixtures of Initiators in Radical
Polymerisation, by F. Danusso, 23 pp.

~~FRANCE~~ per, Chimica e Industria, Vol XXXVII, 1955,
pp 183-189.

SLA Tr 57-1324

Sci - Chemistry
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ISOTACTIC POLYMERS. 29p 13refs.
Order from SLA \$12.60

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TT-64-16774

I. Natta, G.

Trans. of J. S. Chittenden & J. J. Indovina (Italy) 1955, v. 37,
no. 11, p. 888-900.

Other translations are available from OTS or ETC
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as K-H-5388 (29)p.

(Also published in Makromol. Chem., 1955,
v. 16, no. 3, p. 218-237, as TT-64-16775).

(Chemistry--Organic, TT. v. 12, no. 4)

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Riccoboni, L., Tagliavini, G., and Arich, G.
LIQUID VAPOR EQUILIBRIUM. I. EXPERIMENTAL
MEASURING APPARATUS. 8p 11 refs.
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[no. 7] p. 541-545.

(Chemistry--Physics, TT, v. 12, no. 7)

TT-64-18512

I. Riccoboni, L.
II. Tagliavini, G.
III. Arich, G.

Synthesis of Aldehydes at Room Temperature by
Reaction of Olefins, Dicobaltol-Octacarbonyl and
Hydrogen, by P. Pine, et al.

ITALIAN, per, Chim e l'Industria, Vol XXXVII,
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Trans 212

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9 pp.

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No 12, 1955, pp 927-932.

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61-17351

Sci - Chem
OTS 1, 9
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Carelli, V., Liquori, A. M. and others.
THE ABSORPTION OF POLAR MOLECULES BY
LINEAR POLYAMIDES. II. CHROMATOGRAPHIC
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Order from K-H \$20.00 K-H 6178

Trans. of la Chimica e l'Industria (Italy) 1955, v. 37,
[no. 12] p. 960-965.

DESCRIPTORS: *Molecular isomerism, Absorption,
Polymers, *Amides, *Chromatographic analysis,
*Phenols.

(Chemistry--Organic, TT, v. 8, no. 5)

62-17866

- I. Carelli, V.
- II. Liquori, A. M.
- III. K-H-6178
- IV. Kresge-Hooker Science
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Detroit, Mich.
- V. Title: Chromatographic ...

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Stereospecific Polymerization of α -Olefins, by G.
Natta, 9 pp.

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No 2, 1956, pp 124-127.

SLA Tr 1502/56

Sci - Chem
Mar 57 CTS

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Clampa, Giuseppe.
CONTRIBUTION TO THE STUDY OF "ISOTACTICAL."
POLYPROPYLENE. 24 July 57 [21] p. 12 refs.
Order from SLA \$12. 60 61-16720

Trans. of [la] Chimica e [l'] Industria (Italy) 1956, v. 38
[no. 4] p. 296-303.

DESCRIPTORS: *Propenes, Polymers, Polymerization,
Crystal structure

Measurements of the viscosity, osmotic pressure, and
density have been carried out on amorphous and
crystalline polypropylenes. Their solubility in dif-
ferent solvents has been examined. The course of the
molecular weight reduction (sic) congruous with that of
the intrinsic viscosity, independently of the particu-
larity of the structural order of the monomeric unit of
the polymers examined. (Author)

(Chemistry--Organic, TT, v. 6, no. 5)

61-16720

1. Title: isotactic polymers
1. Clampa, G.

180494

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Order from SLA \$1.60 TT-64-16750

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no. 4, p. 298-303.

Other translations are available from SLA as
no. 3425 (17)p and \$2.60 as TT-61-16720, 21p

(Chemistry--Organic, TT, v. 12, no. 4)

TT-64-16750

I. Clampa, G.

Office of Technical Services

Cyclohexanone Oxides by Photochemical
Reaction of Cyclohexanone with Nitrogen
Chloride and Other Nitrogenous Compounds,
by Vittorio Martelli, Giacomo Loreto,
Giuseppe Cingari, and Giulio
ITALIAN, *Rev. de Chimie*, 1956, 6, 2, 22-24.
Vol 38, No 11, 1956, pp 938-937.
SLA 72-65-10250

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Phosphoric Esters of Dextrose, by A. Gallo,
A. Vercellone, 4 pp.

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No 1, 1957, pp 4, 5.

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Natta, G. (Pino, P. and others).
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TIVES OF TITANIUM FOR THE STUDY OF CATA-
LYSTS FOR THE POLYMERIZATION OF ETHYLENE
AT LOW PRESSURE. [1961] [8p. 19 refs.
Order from SLA \$11.10

62-14202

Trans. of [la] Chimica e [l]Industria (Italy) 1957.
v. 39, no. 1 [p. 14-20].
Another trans. is available from RIS \$16.00 as RIS
rept. 98964 [17 Apr 59].

DESCRIPTIONS: *Ethylene, Polymerization, *Metal-
organic compounds, Catalysis, *Catalysts, Titanium
compounds.

For abstract see Technical Translations 2: 333, 1959.
(Engineering--Chemical, TT, v. 7, no. 9)

- I. Natta, G.
- II. Pino, P.

TT 62-14202/22

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The Use of Dicyclopentadiene Derivatives of
Titanium for the Study of Catalysts for Ethylene
Polymerization Under Low Pressure, by G. Natta,
P. Pino, 3 pp.

ITALIAN, per, Chimica e l'Industria, Vol XXXIX,
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RIS rpt 96964

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Quantitative Determination of Melamine by Precipitation With Cyanuric Acid, by L. Nebbia, F. Guerrieri, B. Pignani, 9 pp.

TEALIAN, per Chimica e Industria, Vol XXXIX, No 2, 1957, pp 81-83.

ELA 57-1995

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Isotactic and Stereoblock Polymers of Propylene, by
G. Natta, G. Mazzanti, G. Crespi, G. Moraglio, 28 pp.

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pp 275-283, 1957.

SIA 3447

Sci + Chem
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Copolymerisation Of Ethylene With Aliphatic-olefines. I. Preliminary Studies On the Copolymerisation Of Ethylene and Propylene by G. Natta and others.

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Pubblicato, per, Chimica E L'industria, Vol XXXIX,
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The Copolymerisation of Ethylene with Aliphatic
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Alkyl Aluminum, by G. Mazzanti, A. Vercasari,
G. Pajaro,

ITALIAN, per, la Chimica e l'Industria, Vol
XXXX, No 9, 1957, pp 743-748.

SIA 61,30473
C.I.R.O.

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Copolymerization of Ethylene with Aliphatic
 α -Olefins. III. Ethylene-Propylene Copolymeriza-
tion with Catalysts Obtained from Vanadium Tetra-
chloride, by G. Manzanti, A. Velasquez, G. Pajaro,
23 pp.

ITALIAN, per, Chimica e l'Industria, Vol XXXIX, No 10,
1957, pp 825-831.

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TT-64-20724
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Scacchiati, G. and Gondi, P.
STUDY OF THE PRODUCTION CONDITIONS AND
PROPERTIES OF ZINC OXIDE AS PIGMENT. [1963]
17p. (Illeg. content) 17 refs.
Order from SLA #1. 60

63-16473

Trans. of la Chimica e l'Industria (Italy) 1957, v. 39,
p. 833-851.

DESCRIPTION: "Zinc compounds, *Oxides, *Pigments,
Industrial production, Physical properties, Air, Vapors,
Calcination, Anisotropy, Crystals.

The effect of the ratio air/zinc vapors on the physical
characteristics of the zinc oxide obtained according to
the Farnish process was studied in a pilot plant. The
conditions were varied so as to obtain a range of
particles of dimensions of from 0.5 to 1.7 microns and
of spherulic and spherulic-acticular shapes. The effect of
(Materials--Paints, TT, v. 10, no. 7) (over)

I. Scacchiati, G.
II. Gondi, P.

Office of Technical Services

Tagliavini, Giuseppe.
ARGENTOMETRIC DETERMINATION OF TETRA-
ETHYL LEAD, ETHYLENE CHLORIDE AND BRO-
MIDE IN ANTI-KNOCK MIXTURES. [1963] 10p
Order from K-H \$10.00 K-H-7064

Trans. of [la] Chimica e Industria (Italy) 1957, v. 39,
no. 11, p. 902-904.

DESCRIPTORS: Mixtures, *Antiknock, *Bromides,
*Chlorides, *Ethylenes, *Ethyl radicals, Lead com-
pounds, Chemical analysis

(Chemistry--Analytical, TT, v. 10, no. 11)

63-22469

- I. Title: Argentometric
determination
2. Title: Tetraethyl lead
- I. Tagliavini, G.
- II. K-H-7064
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Kinetics of Propylene Polymerization with Highly
Stereospecific Heterogeneous Catalysts. Part II.
General Kinetics of Polymerization Process, by
G. Natta, I. Pasquon, E. Giachetti, 20 pp.

ITALIANO, per, la Chimica e l'Industria, Vol. XXXA,
Dec 12, 1957, pp 993-1001.

SLA 59-15512

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Kinetics of Propylene Polymerization with Highly
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Nature of the Period of Increasing Polymerization
Rate, by G. Natta, I. Pasquon, E. Giachetti,
21 pp.

ITALIA, Per, la Chim e l'Industria, 1957,
Vol XXXIX, No 12, pp 1002-1012.

SLA 59-13513

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[Kinetics of Propylene Polymerization with Highly Stereospecific Heterogeneous Catalysts]. Part III, Chain Deactivation Processes Dependent on the Catalyst Concentration, by G. Natta, I. Pasquon, E. Giachetti, 18 p.

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SLA 59-20711

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[Kinetics of Propylene Polymerization with Highly Stereospecific Heterogeneous Catalysts. Part IV., The Influence of Temperature and Pressure on the Kinetics of Polymer Chain Growth and Termination Processes, by G. Natta, I. Pasquon, 21 p.

ITALIAN, Jour, la Chim e Ind., 1958, Vol XI, No 2, pp 109-111.

SLA 59-20710 110,867

Sci Mar (C) Vol 3, No 1

Atactic and Stereoblock Polymers from Alpha-Olefins, by G. Natta, G. Mazzanti, P. Longi, 17 pp.

ITALIAN, Par, la Chimica e l'Industria, 1958, Vol XL, No 3, pp 183-188.

SLA 59-15515

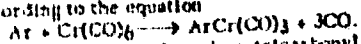
Sci
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Vol XL, No 3

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Natta, G., Ercoff, R., and Calderazzo, F.
SYNTHESIS OF AROMATIC-CHROMIUM-TRICARBONYL COMPOUNDS [Sintesi di Areno-Cromo-Tricarbonyli] [1961] 9p. 5 refs.
Order from SLA in \$1.80, 1h\$1.80 61-10703

Trans. of the Italian Chemical Industry (Italy) [1958]
v. 40, no. 4, p. 287-289.

The method for the synthesis is based on the reaction between aromatic compounds and chromium hexacarbonyl according to the equation



In this manner aromatic-chromium-tricarbonyl compounds were prepared containing benzene, toluene, o-, m-, p-xylene, symmetrical trimethylbenzene, n-propyltoluene, chlorobenzene, anisole, benzyl alcohol and methyl benzoate. The compounds, which contain aromatic nuclei linked to the chromium with π bonds, are crystalline yellow solids, sublimable at 60-100°C under a vacuum of 10⁻² mm Hg, and are soluble in benzene.

61-10700

- I. Chromium carbonyl--
Synthesis
- I. Natta, G.
- II. Ercoff, R.
- III. Calderazzo, F.

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Chem. of Cr.
(Chemistry--
TT, v. 3, no. 1)